

037

FACSIMILE COVERSHEET

**ENTACT**Leading the Nation in Customer Care

1360 N. Wood Dale Road Suite A
Wood Dale, Illinois 60191
Phone: 630.616.2100
Fax: 630.616.9203

EPA Region 5 Records Ctr.



200292

Recipient Information

Sender Information

TO: Tom Alcamo	SENT BY: M. DeRosa
COMPANY: U.S. EPA	ENTACT: Chicago
FAX #: (312) 886-4071	DATE:
# OF PAGES INCLUDING THIS SHEET:	

COMMENTS:

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IF FAX IS NOT RECEIVED IN ITS ENTIRETY, PLEASE NOTIFY ENTACT AT THE ABOVE TELEPHONE NUMBER. THANK YOU.



Ross Analytical Services, Inc.
16433 Foltz Industrial Parkway • Strongsville, Ohio 44136
(216) 572-3200 • Fax (216) 572-7620 • 1-800-325-7737

CERTIFICATE OF ANALYSIS

Client:

ENTACT
2850 W. 3rd Street
Cleveland, OH 44113

Attn: Shane Banks

Work Order #: 97-10-137

Client Code: ENTACT

Report Date: 10/21/97

Work ID: Soil for Metals/TRPH/Pests.

Date Received: 10/17/97

Purchase Order: C157

SAMPLE IDENTIFICATION

<u>Lab</u> <u>Number</u>	<u>Sample</u> <u>Description</u>
01	BF-002

<u>Lab</u> <u>Number</u>	<u>Sample</u> <u>Description</u>
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Enclosed are the analytical results for the samples listed above. Analyses were performed by the methods referenced in the Test Methodologies section, while any special circumstances are described in the Report Comments section. Unless otherwise noted, sample results are not moisture-corrected. Most analytes are reported relative to an Estimated Quantitation Limit (EQL), which is the lowest concentration that can be reliably measured under routine laboratory conditions. Questions or comments concerning the enclosed results should be directed to your Client Services Representative.


Certificate approved by
Carol L. Turner

Work Order # 97-10-137

Ross Analytical Services, Inc

Reported: 10/21/97

REPORT COMMENTS

All pesticides target results are reported even if below the EQL. Results below the EQL are flagged with a "J" and are considered estimated values.

TEST METHODOLOGIES

pH in solids and non-aqueous liquids was determined electrometrically following slurring with water as in EPA Method 9045C.

Organochlorine pesticides and PCB's were determined using gas chromatography with electron capture detection as in EPA Method 8081.

Metals were determined in solid and non-aqueous liquid samples by digestion with nitric acid, hydrogen peroxide, and hydrochloric acid as in EPA Method 3050A, followed by Inductively Coupled Plasma Emission Spectroscopy as in EPA Method 6010A, unless noted otherwise.

Mercury was determined in solid and non-aqueous liquid samples by cold vapor atomic absorption after acid/permanganate digestion as in EPA Methods 245.5 and 7471A. A single analysis was performed unless otherwise noted.

Total petroleum hydrocarbons were determined by infrared spectroscopy following extraction with Freon-113 as in EPA Method 418.1. Solids were Soxhlet extracted as in EPA Method 9071.

Solid and semisolid samples extracted for organochlorine pesticides and PCB's in an ultrasonic extractor using methylene chloride and acetone as in EPA Method 3550A.

Reported: 10/21/97

TOP

10

10

0.39

0.49

Q. 2.

○

15

0-1

Q.08

Work Order # 97-10-137

Reese Analytical Services, Inc

Reported: 10/21/97

Sample Description BF-002

Lab No. 01

Test Description TSPM by EPA 418.1

Test Code: 80002

Case Run 10/18/97 Dilution Factor 1 Units ng/Kg

Compound	Result	EOL
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Petroleum hydrocarbons CEOL 30

ANALYTICAL RESULTS

Client Sample ID..... BF 002
Data Type..... SAMPLE

Lab Sample ID..... 971013701C Date Extracted..... 10/17/97
Lab File Name..... 1971020a10.d (1). m971020a10.d (2) Date Analyzed..... 10/20/97
Concentration Level..... LOW Time Injected..... 16:41
Method..... LB080.m Dilution Factor..... 1
Compound Sub-List..... 8081 Percent Moisture... 0 % Undecanted

Surrogate Analytes		% Recovery	Flags	Recovery Limits	
CAS Number	Analyte			Lower	Upper
877-09-8	Tetrachloro-m-xylene	92%		10 - 120	SURROGATE
2051-24-3	Decachlorobiphenyl	92%		10 - 140	SURROGATE
Target Analytes		Results (ug/Kg)	Flags	EQL	
CAS Number	Analyte				
11104-28-2	Aroclor-1221	< EQL		67.0	
319-84-6	alpha-BHC	< EQL		1.70	
11141-16-5	Aroclor-1232	< EQL		33.0	
12674-11-2	Aroclor-1016	< EQL		33.0	
58-89-9	gamma-BHC (Lindane)	< EQL		1.70	
319-85-7	beta-BHC	1.10	J	1.70	
76-44-8	Heptachlor	< EQL		1.70	
53469-21-9	Aroclor-1242	< EQL		33.0	
319-86-8	delta-BHC	< EQL		1.70	
309-00-2	Aldrin	< EQL		1.70	
12672-29-6	Aroclor-1248	< EQL		33.0	
1024-57-3	Heptachlor epoxide	< EQL		1.70	
5103-74-2	gamma-Chlordane	< EQL		1.70	
5103-71-9	alpha-Chlordane	< EQL		1.70	
959-98-8	Endosulfan I	< EQL		1.70	
72-55-9	4,4'-DDE	1.20	J	3.30	
60-57-1	Dieldrin	< EQL		3.30	
11097-69-1	Aroclor-1254	< EQL		33.0	
72-20-8	Endrin	< EQL		3.30	
8001-35-2	Toxaphene	< EQL		67.0	
72-54-8	4,4'-DDD	1.80	J	3.30	
33213-65-9	Endosulfan II	< EQL		3.30	
50-29-3	4,4'-DDT	1.80	J	3.30	
7421-93-4	Endrin aldehyde	< EQL		3.30	
1031-07-8	Endosulfan sulfate	< EQL		3.30	
11096-82-5	Aroclor-1260	< EQL		33.0	
72-43-5	Methoxychlor	< EQL		17.0	
53494-70-5	Endrin ketone	< EQL		3.30	



ENTACT

1380 N. Wood Dale Rd. Suite A
Wood Dale, Illinois 60191
Ph. 630/616-2100 Fax 630/616-9203

CHAIN OF CUSTODY

Sampler: Banks

Job #: C157

ENTACT Contact: Shane Banks

Date: 10/17/07

Turnaround Time Requested
☒ 24 Hour ☐ 48 Hour ☐ 3 Day ☐ Normal ☐ Other ☐

Sample No.	Matrix	Composite or Grab	Description/Remarks	Preservative	Analysis
<u>BA-002</u>	<u>soil</u>	<u>grab</u>	<u>backfill analytical</u>	<u>4°C</u>	<u>A B C D E F G H</u>
<u>BA-002</u>	<u>soil</u>	<u>grab</u>		<u>4°C</u>	<u>soil pH</u>
<u>BA-002</u>	<u>soil</u>	<u>grab</u>		<u>4°C</u>	<u>TPH (I)</u>
<u>BA-002</u>	<u>soil</u>	<u>grab</u>		<u>4°C</u>	<u>Pesticides</u>

Samples Relinquished By: Shane D. Banks 10/17/07
Date

Samples Received By: Bob Pate 10/17/07
Date

Samples Relinquished By: _____
Date

Samples Received By: _____
Date

Samples Relinquished By: _____
Date

Condition of Sample Upon Receipt: _____

ANALYSIS

A= Total Pb F= Total Ag
 B= Total Cd G= Total Se
 C= Total Ar H= Total Ba
 D= Total Cr I= Total Polycyclic aromatic hydrocarbons
 E= Total Hg J= Pesticides

Distribution:

Original - To Customer w/ Final Report
 Red Copy - To Lab File

ROSS ANALYTICAL SERVICES, INC.

SAMPLE RECEIPT REPORT

WORKORDER # 97-137

RECEIVED BY: <u>MT</u>	DATE/TIME: <u>10/17/97</u>	LOGIN DATE: <u>11:50p</u>
SAMPLES ARRIVED BY(Circle One) Fed-Ex UPS <u>Other(specify) Courier</u>		
SHIPPING DOCUMENTATION PRESENT? TRACKING NUMBER _____		YES/NO <u>NA</u>
SHIPPING CONTAINER INTACT?		YES/NO <u>YES</u> (If no, explain below)
CUSTODY SEALS PRESENT? CUSTODY SEALS INTACT? Where? Cooler/Bottles Seal Nos. _____		YES/NO <u>YES</u> YES/NO <u>YES</u>
SAMPLE TEMPERATURE <u>42</u>		
AQUEOUS SAMPLES FOR METALS, pH < 2?	YES/NO/NA <u>NA</u>	
AQUEOUS SAMPLES FOR WET TESTS, pH < 2?	YES/NO/NA <u>NA</u>	
AQUEOUS SAMPLES FOR CYANIDE, pH > 12?	YES/NO/NA <u>NA</u>	
AQUEOUS SAMPLES FOR VOA'S PRESERVED WITH HCl?	YES/NO/NA <u>NA</u> (From COC, Do not color pH)	
OTHER PRESERVATION REQUIREMENTS MET?	YES/NO/NA <u>NA</u> SPECIFY:	
SAMPLES INTACT?		YES/NO/NA (If no, explain below)
SHIPPING CONTAINER: (Circle) <u>Ross</u>	Client	Date Returned
COMMENTS:		